

10/532405  
JC12 Rec'd PCT/PTC 22 APR 2005

EX02-077C-USpatentin.txt  
SEQUENCE LISTING

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<151> 2002-10-23  
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## EX02-077C-USpatentin.txt

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|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Met | Met | Glu | Lys | Tyr | Glu | Lys | Ile | Gly | Lys | Ile | Gly | Glu | Gly | Ser | Tyr |
| 1   |     |     |     | 5   |     |     | 10  |     |     |     |     |     |     | 15  |     |

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Gly | Val | Val | Phe | Lys | Cys | Arg | Asn | Arg | Asp | Thr | Gly | Gln | Ile | Val | Ala |
|     |     |     | 20  |     |     |     | 25  |     |     |     |     |     | 30  |     |     |

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|
| Ile | Lys | Lys | Phe | Leu | Glu | Ser | Glu | Asp | Asp | Pro | Val | Ile | Lys | Ile |  |
|     | 35  |     |     |     | 40  |     |     |     |     |     |     | 45  |     |     |  |

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Ala | Leu | Arg | Glu | Ile | Arg | Met | Leu | Lys | Gln | Leu | Lys | His | Pro | Asn | Leu |
|     |     |     |     | 50  |     | 55  |     |     |     |     | 60  |     |     |     |     |

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Val | Asn | Leu | Leu | Glu | Val | Phe | Arg | Arg | Lys | Arg | Arg | Leu | His | Leu | Val |
| 65  |     |     |     | 70  |     |     |     |     | 75  |     |     | 80  |     |     |     |

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Phe | Glu | Tyr | Cys | Asp | His | Thr | Val | Leu | His | Glu | Leu | Asp | Arg | Tyr | Gln |
|     | 85  |     |     |     | 90  |     |     |     |     |     |     |     | 95  |     |     |

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Arg | Gly | Val | Pro | Glu | His | Leu | Val | Lys | Ser | Ile | Thr | Trp | Gln | Thr | Leu |
|     | 100 |     |     |     | 105 |     |     |     |     |     |     | 110 |     |     |     |

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Gln | Ala | Val | Asn | Phe | Cys | His | Lys | His | Asn | Cys | Ile | His | Arg | Asp | Val |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|

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Asp Tyr Val Ala Thr Arg Trp Tyr Arg Ser Pro Glu Leu Leu Val Gly  
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Asp Thr Gln Tyr Gly Pro Pro Val Asp Val Trp Ala Ile Gly Cys Val  
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Phe Ala Glu Leu Leu Ser Gly Val Pro Leu Trp Pro Gly Lys Ser Asp  
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Val Asp Gln Leu Tyr Leu Ile Arg Lys Thr Leu Gly Asp Leu Ile Pro  
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Arg His Gln Gln Val Phe Ser Thr Asn Gln Tyr Phe Ser Gly Val Lys  
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Ile Pro Asp Pro Glu Asp Met Glu Pro Leu Glu Leu Lys Phe Pro Asn  
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Ile Ser Tyr Pro Ala Leu Gly Leu Leu Lys Gly Cys Leu His Met Asp  
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Pro Thr Glu Arg Leu Thr Cys Glu Gln Leu Leu His His Pro Tyr Phe  
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Glu Asn Ile Arg Glu Ile Glu Asp Leu Ala Lys Glu His Asp Lys Pro  
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Thr Arg Lys Thr Leu Arg Lys Ser Arg Lys His His Cys Phe Thr Glu  
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Thr Ser Lys Leu Gln Tyr Leu Pro Gln Leu Thr Gly Ser Ser Ile Leu  
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Pro Ala Leu Asp Asn Lys Lys Tyr Tyr Cys Asp Thr Lys Lys Leu Asn  
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Tyr Arg Phe Pro Asn Ile  
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